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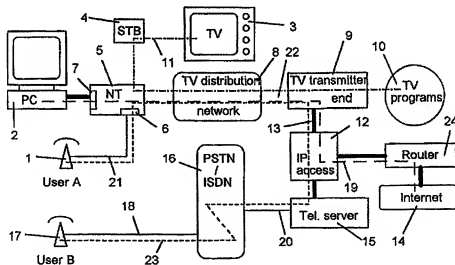
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## (54) Title: AN ACCESS NETWORK OVER A SHARED MEDIUM



## (57) Abstract

A method for providing access to sources of at least one telephone network (16) and at least one IP based network (14) over a TV distribution network (8). The method uses the IP protocols as an internal multiplexing technique and transport mechanism. The IP handling takes place between a TV IP network terminal (5), connected to a user end of the TV distribution network (8), via an IP access server (12), connected to a TV transmitter end (9) of the TV distribution network (8), to a telephony server (15) and a router (24), respectively. The method and system allows for simultaneous datagram and telephone traffic within one network terminal (5), within the TV distribution network (8), or access to connected service providers of telephone and IP based networks (14, 16).